

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

corrected version

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference L0012/PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/053592	International filing date (day/month/year) 17/12/2004	(Earliest) Priority Date (day/month/year) 31/12/2003
Applicant KRATON POLYMERS RESEARCH B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 35.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons.

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely: **corrected version**
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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International Application No. PCT/ EP2004/ 053592

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,8-10

A low viscosity, hot melt adhesive composition comprising (a) at least one block copolymer of the type S-B/I-S as described in the application claim 1 ; (b) an aliphatic/aromatic hydrocarbon tackifying resin as described in the application claim 1 ; (c) a plasticizer as described in the application claim 1.

Claims 8-10 claim block copolymers used in the low viscosity, hot melt adhesive compositions,

2. claims: 6-7

Tapes and labels e.g. claim 7 claims packaging tapes, comprising a composition on a carrier as described in application claims 6-7.

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International Application No.

PCT/EP2004/053592

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09J153/02 C08F297/04 C08L53/02

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09J C08L C08F C09)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/057386 A (DE KLYZER NOEL RAYMOND MAURICE ; KRATON POLYMERS RES B V (NL); VAN DIJ) 25 July 2002 (2002-07-25) * claims 1-10 ; page 5, line 6 - page 6, line 7 ; Tables 1, 2 (B : I) ; page 15, line 13 (polymer 3a) ; page 6, line 22-25 ; page 8, line 8 - page 9, line 24 ; page 11, line 3-9 ; tables ; examples * page 1, lines 8-10 page 10, line 29 - page 11, line 19	1-10
X	DE 29 42 128 A (BASF AG) 30 April 1981 (1981-04-30) * claim 1 ; page 8, line 15-26 ; page 4, line 16 - page 6, line 3 ; page 13, line 16-29 ; page 8, line 28 - page 11, line 19 * page 11, line 21 - page 13, line 15 ----- -/-	1-10

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

2 September 2005

Date of mailing of the international search report

08 SEP 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 027 606 A (BASF AG) 29 April 1981 (1981-04-29) * claim 1 ; page 3, line 30-33 ; page 4, line 3-8, 31 ; page 7, line 1 - page 9, line 6 * page 10, line 28 - page 11, line 35	1-10
Y	PATENT ABSTRACTS OF JAPAN vol. 0181, no. 91 (C 1186), 4 April 1994 (1994-04-04) & JP 05 345885 A (KURARAY CO LTD), 27 December 1993 (1993-12-27) & XP002216588 (KURARAY CO LTD) abstract	1-10
Y	WO 95/16755 A (EXXON CHEMICAL PATENTS INC) 22 June 1995 (1995-06-22) * claims 1-4 ; page 3, line 14-20 ; page 6, line 15-17 ; abstract *	1-10
A	US 5 583 182 A (ASAHARA ITSUO ET AL) 10 December 1996 (1996-12-10) * claims 1-6 ; column 3, line 30-31 ; column 3, line 40 - column 4, line 52 *	1-10

II. INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application **Corrected version**

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PC: EP2004/053592

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02057386	A	25-07-2002	BR 0206601 A	10-02-2004
			CN 1516729 A	28-07-2004
			WO 02057386 A2	25-07-2002
			EP 1354016 A2	22-10-2003
			JP 2004520465 T	08-07-2004
			US 2004116582 A1	17-06-2004
DE 2942128	A	30-04-1981	DE 2942128 A1	30-04-1981
✓ EP 0027606	A	29-04-1981	DE 2942127 A1	30-04-1981
			EP 0027606 A1	29-04-1981
✓ JP 05345885	A	27-12-1993	JP 3657279 B2	08-06-2005
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			DE 69413061 D1	08-10-1998
			DE 69413061 T2	25-03-1999
			EP 0734426 A1	02-10-1996
			WO 9516755 A1	22-06-1995
			US 5714254 A	03-02-1998
			US 5853874 A	29-12-1998
✓ US 5583182	A	10-12-1996	JP 3309438 B2	29-07-2002
			JP 6107745 A	19-04-1994
			WO 9405717 A1	17-03-1994

Form PCT/ISA/210 (patent family annex) (January 2004)

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